Release notes for ENDF/B Development n-016_S_033 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section $MAT=1628,\ MF=1,\ MT=451\ (1)$: Parsing stopped

ERROR(S) FOUND IN MAT=1628, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 157 TO 227

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=1628, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=1628, MF= 1, MT=451
MOD = 3 OUT OF RANGE 0 - 0 RECORD NUMBER 157

2. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=1628,\ MF=2,\ MT=151\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 229

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 245

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 270

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 295

6. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=3, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 310

7. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=1628,\ MF=3,\ MT=22\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

RECORD NUMBER 317

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 3, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 28 SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 324

9. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1628, MF=3, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 51 SECTION 3/ 51 NOT IN DIRECTORY

RECORD NUMBER 331

10. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1628, MF=3, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 346

11. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 3, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 53 SECTION 3/ 53 NOT IN DIRECTORY

RECORD NUMBER 359

12. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=3, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 54 SECTION 3/ 54 NOT IN DIRECTORY

RECORD NUMBER 372

13. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 3, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 55 SECTION 3/ 55 NOT IN DIRECTORY

RECORD NUMBER 384

14. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=3, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 56 SECTION 3/ 56 NOT IN DIRECTORY

RECORD NUMBER 396

15. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=3, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 57 SECTION 3/ 57 NOT IN DIRECTORY

RECORD NUMBER 407

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 3, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 418

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 3, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT=102 SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER 429

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1628, MF= 3, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT=103 SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER 446

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 3, MT = 107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 460

20. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 4, MT = 2 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 475

21. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1628, MF=4, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER 627

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=4, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 630

23. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 4, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 28 SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 63

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 4, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 51 SECTION 4/ 51 NOT IN DIRECTORY

RECORD NUMBER 636

25. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=4, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 52

SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER 685

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 4, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 53 SECTION 4/ 53 NOT IN DIRECTORY

RECORD NUMBER 727

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 4, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 54 SECTION 4/ 54 NOT IN DIRECTORY

RECORD NUMBER 769

28. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=4, MT=55 (0): Directory (b)

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ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 55 SECTION 4/ 55 NOT IN DIRECTORY

RECORD NUMBER 811

29. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 4, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 56 SECTION 4/ 56 NOT IN DIRECTORY

RECORD NUMBER 852

30. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=1628,\ MF=4,\ MT=57\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 57 SECTION 4/ 57 NOT IN DIRECTORY

RECORD NUMBER 893

31. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 4, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER 933

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 5, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER 969

33. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 5, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 5, MT= 22 SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 1094

34. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 5, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 5, MT= 28 SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 1235

35. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1628, MF = 5, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF= 5, MT= 91 SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 1355

36. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1628, MF = 12, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 16 SECTION 12/ 16 NOT IN DIRECTORY

RECORD NUMBER 1548

37. Missing a gamma spectrum for continuum of gammas MAT=1628, $MF=\overline{12}$, MT=16 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 16 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1628, MF = 12, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 22 SECTION 12/ 22 NOT IN DIRECTORY

RECORD NUMBER 1556

39. Missing a gamma spectrum for continuum of gammas MAT=1628, MF=12, MT=22 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 22 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15 40. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=12, MT=28 (0): Directory (b)

1564

1572

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 28
SECTION 12/ 28 NOT IN DIRECTORY RECORD NUMBER

41. Missing a gamma spectrum for continuum of gammas $MAT=1628,\ MF=12,\ MT=\ 28\ (1):\ No\ gamma\ spectrum$

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 28
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

42. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=12, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 51
SECTION 12/ 51 NOT IN DIRECTORY RECORD NUMBER

43. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 12, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 52
SECTION 12/ 52 NOT IN DIRECTORY RECORD NUMBER 1576

44. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=12, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 53
SECTION 12/ 53 NOT IN DIRECTORY RECORD NUMBER 1580

45. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=1628,\ MF=12,\ MT=54$ (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 54
SECTION 12/ 54 NOT IN DIRECTORY RECORD NUMBER 1585

46. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=12, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 55
SECTION 12/ 55 NOT IN DIRECTORY RECORD NUMBER 1590

47. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=12, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 56
SECTION 12/ 56 NOT IN DIRECTORY RECORD NUMBER 1595

48. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=12, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 57 SECTION 12/ 57 NOT IN DIRECTORY

RECORD NUMBER 1600

49. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=12, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 91 SECTION 12/ 91 NOT IN DIRECTORY

RECORD NUMBER 1607

50. Missing a gamma spectrum for continuum of gammas MAT=1628, MF=12, MT=91 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1628, MF=12, MT= 91
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

51. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=12, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT=102 SECTION 12/102 NOT IN DIRECTORY

RECORD NUMBER 1617

52. Missing a gamma spectrum for continuum of gammas MAT=1628, MF=12, MT=102 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1628, MF=12, MT=102 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

53. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=12, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT=103 SECTION 12/103 NOT IN DIRECTORY

RECORD NUMBER 1631

54. Missing a gamma spectrum for continuum of gammas MAT=1628, MF=12, MT=103 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1628, MF=12, MT=103 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

55. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=12, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=12, MT=107 SECTION 12/107 NOT IN DIRECTORY

RECORD NUMBER 1644

56. Missing a gamma spectrum for continuum of gammas MAT=1628, MF=12, MT=107 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1628, MF=12, MT=107 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

57. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 14, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT= 16 SECTION 14/ 16 NOT IN DIRECTORY

RECORD NUMBER 1657

58. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1628, MF = 14, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT= 22 SECTION 14/ 22 NOT IN DIRECTORY

RECORD NUMBER 1659

59. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 14, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT= 28 SECTION 14/ 28 NOT IN DIRECTORY

RECORD NUMBER 1661

60. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1628, MF = 14, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT= 51 SECTION 14/ 51 NOT IN DIRECTORY

RECORD NUMBER 1663

61. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1628, MF = 14, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT= 52 SECTION 14/ 52 NOT IN DIRECTORY

RECORD NUMBER 1665

62. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1628, MF = 14, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT= 53 SECTION 14/ 53 NOT IN DIRECTORY

RECORD NUMBER 1667

63. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1628, MF = 14, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT= 54 SECTION 14/54 NOT IN DIRECTORY

RECORD NUMBER 1669

64. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1628, MF = 14, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT= 55 SECTION 14/ 55 NOT IN DIRECTORY

RECORD NUMBER 167:

65. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 14, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT= 56 SECTION 14/ 56 NOT IN DIRECTORY

RECORD NUMBER 1673

66. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=14, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT= 57

SECTION 14/ 57 NOT IN DIRECTORY

RECORD NUMBER 1675

67. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 14, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT= 91 SECTION 14/ 91 NOT IN DIRECTORY

RECORD NUMBER 1677

68. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1628, MF=14, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT=102 SECTION 14/102 NOT IN DIRECTORY

RECORD NUMBER 1679

69. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=14, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT=103 SECTION 14/103 NOT IN DIRECTORY

RECORD NUMBER 1681

70. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=14, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=14, MT=107 SECTION 14/107 NOT IN DIRECTORY

RECORD NUMBER 1683

71. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=15, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=15, MT= 16 SECTION 15/ 16 NOT IN DIRECTORY

RECORD NUMBER 1686

72. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=1628,\ MF=15,\ MT=22\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=15, MT= 22 SECTION 15/ 22 NOT IN DIRECTORY

RECORD NUMBER 1793

73. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 15, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=15, MT= 28 SECTION 15/ 28 NOT IN DIRECTORY

RECORD NUMBER 1907

74. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 15, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=15, MT= 91 SECTION 15/ 91 NOT IN DIRECTORY

RECORD NUMBER 2008

75. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1628, MF = 15, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=15, MT=102 SECTION 15/102 NOT IN DIRECTORY

RECORD NUMBER 2314

76. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=15, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=15, MT=103 SECTION 15/103 NOT IN DIRECTORY

RECORD NUMBER 3113

77. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1628, MF=15, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1628, MF=15, MT=107 SECTION 15/107 NOT IN DIRECTORY

RECORD NUMBER 3453

- psyche Warnings:
 - 1. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 33. L = 0 / STRENGTH FUNCTION IS 1.90502E-05 / STRENGTH FUNCTION 1.90502E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ISOTOPE MASS = 33. L = 0

STRENGTH FUNCTION IS 1.90502E-05

STRENGTH FUNCTION 1.90502E-05

- ... [1 more lines]
- 2. Non-threshold reaction with Q value differing from PSYCHE's expectations FILE 3 / SECTION 103 / THE CALCULATED Q 3.82047E+05 DISSAGREES WITH THE GIVEN Q 5.33469E+05 (0): Iffy Q

FILE 3 SECTION 103

THE CALCULATED Q 3.82047E+05 DISSAGREES WITH THE GIVEN Q 5.33469E+05

• fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 0.0 and S = 0.0 for "capture"

2. Potential scattering hasn't converted, you need more L's! resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=260000.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.18%

4. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 1:\ (z,n)\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.11%

• fudge-4.0 Errors:

1. Energy range of data set does not match cross section range reaction label 8: n + (S33_c -> S33 + gamma) / Product: S33_c / Decay product: gamma / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3710120.0 -> 20000000.0) vs (3710130.0 -> 20000000.0)

2. Energy range of data set does not match cross section range reaction label 8: n + (S33_c -> S33 + gamma) / Product: S33_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3710120.0 -> 20000000.0) vs (3710130.0 -> 20000000.0)

3. Energy range of data set does not match cross section range reaction label 8: n + (S33_c -> S33 + gamma) / Product: S33_c / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3710120.0 -> 20000000.0) vs (3710130.0 -> 20000000.0)

4. Calculated and tabulated Q values disagree. reaction label 9: n[multiplicity:'2'] + S32 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9034450.858505249 eV vs -8643380. eV!

5. Calculated and tabulated Q values disagree. reaction label 10: n + H1 + P32 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9962583.450870514 eV vs -9571010. eV!

6. Calculated and tabulated Q values disagree. reaction label 11: S34 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 11024275.32888031 eV vs 1.1417e7 eV!

7. Calculated and tabulated Q values disagree. reaction label 12: n + He4 + Si29 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7508700.319717407 eV vs -7117630. eV!

8. Energy range of data set does not match cross section range reaction label 12: n + He4 + Si29 + gamma / Product: gamma / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7335390.0 -> 20000000.0) vs (7335380.0 -> 20000000.0)

9. Energy range of data set does not match cross section range reaction label 12: n + He4 + Si29 + gamma / Product: gamma / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7335390.0 -> 20000000.0) vs (7335380.0 -> 20000000.0)

10. Calculated and tabulated Q values disagree.

reaction label 13: H1 + (P33-s -> P33 + gamma) (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 141003.4172210693 eV vs 533469. eV!

11. Calculated and tabulated Q values disagree. reaction label 14: $He4 + (Si30_s -> Si30 + gamma)$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 3100499.654087067 eV vs 3492040. eV!

- njoy2012 Warnings:
 - 1. Evaluation has no unresolved resonance parameters given unresr...calculation of unresolved resonance cross sections (0): No URR

---message from unresr---mat 1628 has no unresolved parameters copy as is to nout

2. Evaluation has no unresolved resonance parameters given purr...probabalistic unresolved calculation (0): No URR

---message from purr---mat 1628 has no unresolved parameters copy as is to nout $\,$

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided

- 4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things! group:...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided
- 5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

- ---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided
- 6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things! groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided